

Fujitsu recommends Windows 8 Pro.

# Data Sheet

## Fujitsu ESPRIMO Q910 Desktop PC

The Mini with More PC per cm<sup>3</sup>

The Fujitsu ESPRIMO Q910 delivers excellent performance, energy efficiency and manageability in a mini PC. An Intel® Core™ processor and Intel® vPro™ technology deliver professional computing and management. Its stylish design is also practical, with two front USB 3.0 ports for lightning fast connections

### An elegant mini PC for the modern office environment

Eye-catcher on your desk with a modern and exclusive design

- Fully equipped PC with a volume of only 1.9 liters - based on standard desktop technology

### Black shell and a green core

Needs only 10 watts in idle-mode and saves valuable resources

- Smart desktop technology for lowest power consumption, optional PVC free system and an up to 90% energy efficient onboard power supply, halogen-free mainboard

### Unleash the power

Latest Intel® technology to support your challenging business applications

- 3rd generation Intel® Core™ processor family

### Sophisticated system management

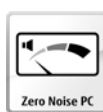
Simple system administration in complex IT infrastructures

- Intel® vPro™ technology (depending on processor) and DeskView manageability

### Superb usability

Pleasant working environment due to a tidy desk

- Horizontal or vertical operations and an integrated VESA mount, service door for easy upgrade of major components



# Components

<b>Processor</b>	Intel® Core™ i5-3470T processor (2 Cores / 4 Threads, 2.90 GHz, up to 3.6 GHz, 3 MB, Intel® HD Graphics 2500) *
	Intel® Core™ i3-3220T processor (2 Cores / 4 Threads, 2.80 GHz, 3 MB, Intel® HD Graphics 2500)
	Intel® Pentium® processor G2020T (2 Cores / 2 Threads, 2.50 GHz, 3 MB, Intel® HD Graphics)
	Intel® Celeron® processor G1610T (2 Cores / 2 Threads, 2.30 GHz, 2 MB, Intel® HD Graphics)
	Intel® vPro™ Logo with Intel® Core i5 processors *with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables)
<b>Operating systems</b>	
<b>Operating system</b>	Windows 8 Pro
	Windows 8
	Windows® 7 Professional 64-bit
	Windows® 7 Professional 32-bit
	Windows® 7 Home Premium 64-bit
	Windows® 7 Home Basic (EM) 32-bit
<b>Operating system compatible</b>	Windows® XP
<b>Operating system notes</b>	Limited Windows® XP support. Microsoft discontinued Windows® XP certification on system level, basic drivers via <a href="http://support.ts.fujitsu.com">http://support.ts.fujitsu.com</a>
<b>Memory modules</b>	2 GB (1 module(s) 2 GB) DDR3, non-ECC, 1600 MHz, PC3-12800, SO DIMM
	4 GB (1 module(s) 4 GB) DDR3, non-ECC, 1600 MHz, PC3-12800, SO DIMM
	8 GB (1 module(s) 8 GB) DDR3, non-ECC, 1600 MHz, PC3-12800, SO DIMM
<b>Hard disk drives (internal)</b>	SSD SATA III Premium, 128 GB, 2.5-inch
	SSD SATA III, 256 GB, 2.5-inch
	SSD SATA III, 128 GB, 2.5-inch, SED
	SSD SATA III, 128 GB, 2.5-inch
	HDD SATA II, 7200 rpm, 320 GB, 2.5-inch
	HDD SATA II, 5400 rpm, 1000 GB, 2.5-inch*
	HDD SATA II, 5400 rpm, 750 GB, 2.5-inch*
	HDD SATA II, 5400 rpm, 500 GB, 2.5-inch*
	HDD SATA II, 5400 rpm, 320 GB, 2.5-inch*
<b>Hard disk notes</b>	*Disk imaging software of the customer must be 4k sector size / advanced format ready
	Up to 20 GB of HDD space is reserved for system recovery
	SSHD (Solid State Hard Disk, Hybrid drive)
	SSD (Solid State Disk)
	SED (Self-Encrypting Drive)
<b>Graphics</b>	DP to DVI-D (single link) Adapter Cable
<b>Drives (optional)</b>	BD Triple Writer SATA Slot-in slim
	DVD Super Multi Slot-in slim
<b>Interface add on cards/components (optional)</b>	
	WLAN 802.11 b/g/n (2x2) and Bluetooth (dedicated regions only)
<b>Base unit</b>	ESPRIMO Q910
<b>Mainboard</b>	
<b>Mainboard type</b>	D3183
<b>Formfactor</b>	proprietary
<b>Chipset</b>	Intel® Q77
<b>Processor socket</b>	LGA 1155
<b>Processor quantity maximum</b>	1
<b>Memory slots</b>	2 SO DIMM (DDR3, 1600 MHz)

**Mainboard**

Supported capacity RAM (max.)	16 GB
Memory frequency	1600 MHz
Memory notes	Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same
LAN	10/100/1000 MBit/s Intel® 82579 LM
Integrated WLAN	1 (optional)
BIOS version	AMI Aptio 4.6
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
Audio codec	Conexant CX20642
Audio features	Buzzer

**I/O controller on board**

Serial ATA total	2
thereof SATA III	2
Controller functions	Serial ATA II (3 Gbit) Serial ATA III (6 Gbit) NCQ AHCI

**Interfaces**

Audio: line-out / headphone	1
Audio: line-in / microphone	1
USB 2.0 total	2
USB 3.0 total	4
USB front	2x 3.0
USB rear	2x 2.0 and 2x 3.0
VGA	1 (via DVI to VGA adapter, part of shipment)
DisplayPort	1
DVI	1 (DVI-I)
Ethernet (RJ-45)	1
Kensington Lock support	1
Multicardreader	1
Interface Module notes	Anytime USB charge functionality

**Input device / components**

	Optical USB wheel mouse
Input devices (optional)	KBPC PX ECO Mouse M440 ECO

**Drive bays**

Drive bays total	2
2.5-inch internal bays	1
5.25-inch external bays	1
Drive bay notes	slim slot-in

**Graphics on board**

Graphics brand name	Intel® HD Graphics, HD Graphics 2000, HD Graphics 2500 (depending on processor)
Shared video memory	up to 1759 MB
TFT resolution (VGA)	1024 x 768 pixel 1280 x 1024 pixel 1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1600 x 1200 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel

**Graphics on board**

<b>TFT resolution (DVI)</b>	1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel
<b>TFT resolution (DisplayPort)</b>	1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel 2560 x 1440 pixel 2560 x 1600 pixel
<b>Graphics features</b>	Dual display support DirectX® 10.1 or DirectX® 11 (depending on CPU) HDCP support Open GL® 3.3 (depending on CPU) Open CL® 1.1 (depending on CPU)
<b>Graphics notes</b>	Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size and operating system Resolution (color depth up to 32 Bit/pixel) For TFT we recommend using 60Hz

**Electrical values**

<b>Power efficiency note</b>	power supply efficiency (at 115V/230V; 10% / 20% / 50% / 100% load) : 86% / 87% / 90% / 90%
<b>Rated voltage range</b>	100 V - 240 V
<b>Rated frequency range</b>	50 Hz - 60 Hz
<b>Operating voltage range</b>	90 V - 264 V
<b>Operating line frequency range</b>	47 Hz - 63 Hz
<b>Max. output of single power supply</b>	65 W (integrated in system)
<b>Power factor correction/active power</b>	No (meets input harmonic current according EN61000-3-2)
<b>Monitor outlet</b>	No

**Power consumption**

<b>Power consumption note</b>	See white paper Energy Consumption
<b>Link to Energy White Paper</b>	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=ae3a2536-3eb0-4982-bea2-9acda2263e13">http://docs.ts.fujitsu.com/dl.aspx?id=ae3a2536-3eb0-4982-bea2-9acda2263e13</a>

**Heat dissipation**

<b>Heat dissipation notes</b>	See white paper Energy Consumption
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**Noise emission**

<b>Related Processors for noise</b>	Intel® Core™ i5 3470T
<b>Standard noise emission</b>	2x2 GB, HDD, ODD, Windows According to ISO 7779:2010, ECMA-74
<b>Standard noise notes / description</b>	A-weighted sound power level L <sub>wad</sub> (in B) / Workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A))
<b>Standard noise operation mode: CPU 50% load</b>	4.7 B / 31 dB(A) Bystander ; 34 dB(A) Operator position
<b>Standard noise operation mode: HDD load</b>	3.3 B / 20 dB(A) Bystander ; 22 dB(A) Operator position
<b>Standard noise operation mode: Idle mode</b>	SSD: no noise emission, 2.5" HDD: 3.1 B / 19 dB(A) Bystander ; 21 dB(A) Operator position
<b>Standard noise operation mode: ODD load</b>	4.7 B / 33 dB(A) Bystander ; 34 dB(A) Operator position
<b>Standard noise operation mode: Office applications 2.0</b>	SSD: no noise emission, 2.5" HDD: 3.2 B / 19 dB(A) Bystander ; 21 dB(A) Operator position
<b>Blue angel noise emission according certification</b>	for max. possible configuration According to ISO 7779:2010, ECMA-74
<b>Blue angel noise notes / description</b>	A-weighted sound power level L <sub>wad</sub> (in B); 1B = 10dB
<b>Blue angel noise operation mode: HDD load</b>	3.3 B = 33 dB

**Noise emission**

Blue angel noise operation mode: Idle mode 3.1 B = 31 dB

Blue angel noise operation mode: ODD load 4.7 B = 47 dB

**Dimensions / Weight / Environmental**

Dimensions (W x D x H)	185 x 188 x 54 mm
	7.29 x 7.41 x 2.13 inch
Operating position	Vertical / horizontal (no feet needed)
VESA mount	integrated (100mm), applicable for selected monitors only, additional mounting kit for specific monitors optional
Weight	1.6 kg
Weight (lbs)	3.53 lbs
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35 °C (50 - 95 °F)

**Compliance**

Product	ESPRIMO Q910
Model	MPC2
Germany	TÜV GS Blauer Engel / Blue Angel
Europe	CE Nordic Swan
USA/Canada	FCC Class B cCSAus
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 5.0 (dedicated regions) EPEAT® Gold (dedicated regions)
Compliance notes	This product is free of polyvinyl chloride (PVC) when ordered with the optional PVC free power cord
Compliance link	<a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>

**Additional Software**

Additional software (preinstalled)	Adobe® Reader® Anti Virus software (60 days trial version) Win7: Fujitsu Recovery (Hard Disk Based Recovery) Win8: Microsoft Push Button Recovery (Hard Disk Based Recovery) Microsoft Office - buy license to activate the pre-installed Microsoft Office
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink PowerDVD (BD/DVD playback software for Blu-ray Disc™) CyberLink PowerDVD (DVD playback software) Nero Essentials XL

**Compatibility (references)**

DMI 2.0  
PC 2001  
WMI 1.5  
USB 2.0  
SMBIOS

**Manageability**

Manageability technology	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) Intrusion switch (optional) iAMT 8.0 (depending on CPU) WoL (Wake on LAN)
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**Manageability**

<b>Manageability software</b>	DeskView Client DeskView Instant BIOS Management DeskView Integration for Symantec Management Platform
<b>DeskView components</b>	Inventory Management BIOS Management Driver Management Security Management Alarm Management
<b>Manageability link</b>	<a href="http://www.fujitsu.com/fts/manageability">http://www.fujitsu.com/fts/manageability</a>

**Security**

<b>Physical Security</b>	Kensington Lock support Intrusion switch (optional) Housing Lock Plate (to use with Kensington lock)
<b>System and BIOS Security</b>	EraseDisk (optional) Boot sector virus protection Write protect option for the Flash EPROM Embedded security (TPM 1.2) Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces
<b>User Security</b>	User and supervisor BIOS password Hard disk password Access protection via external SmartCard reader (optional)

**Packaging information**

<b>Packaging dimension (mm)</b>	395 x 198 x 284 mm
<b>Packaging dimension (inch)</b>	15.55 x 7.8 x 11.18 inch
<b>Max. quantity / pallet</b>	84
<b>Material - Weight (g) Carton</b>	670 g
<b>Material - Weight (lbs) Carton</b>	1.48 lbs
<b>Material - Weight (g) EPS / PS</b>	10 g
<b>Material - Weight (lbs) EPS / PS</b>	0.02 lbs
<b>Material - Weight (g) PE</b>	125 g
<b>Material - Weight (lbs) PE</b>	0.28 lbs
<b>Packaging notes</b>	If keyboard is included in packaging: 1.) packaging dimension is increasing to: 500 x 208 x 290mm / (19.69 x 8.19 x 11.42 inch); 2.) material weight of carton will increase to 880g; 3.) max. quantity/pallet = 49; printed user documentation is bleached in chlorine free process;

**Warranty**

<b>Standard Warranty</b>	3 years
<b>Service level</b>	Bring-In / Onsite Service (for countries within region FTS CEMEA&I, for all other countries depending on local regulations, minimum: 2 years material warranty)
<b>Warranty Terms &amp; Conditions</b>	<a href="http://support.ts.fujitsu.com/warranty">http://support.ts.fujitsu.com/warranty</a>
<b>Maintenance and Support Services - the perfect extension</b>	
<b>Recommended Service</b>	9x5, Response Time: Next Business Day
<b>Spare Parts availability</b>	5 years after end of product life
<b>Service Weblink</b>	<a href="http://www.fujitsu.com/fts/services/support">http://www.fujitsu.com/fts/services/support</a>

## Recommended Accessories

**USB 3.0 Port Replicator PR08**

The Fujitsu USB 3.0 Port Replicator PR08 is the solution for notebooks without a dedicated docking connector or in hot-desk environments. You can connect to the local area network, and to all of your peripherals with a single USB 3.0 plug and boost your productivity by extending your workspace over up to four displays.

Order Code:  
S26391-F6007-L400

**Display B22W-6 LED proGREEN**

The B22W-6 LED proGREEN offers best ergonomics and usability for intensive office use with a 4-in-1 stand.

Order Code:  
S26361-K1392-V160

**CELVIN® Drive M200**

The CELVIN Drive M200 is an ultra-portable and high-class storage device. Since it is compatible with USB3.0 and USB 2.0, it can be used with a large variety of devices. It is ideal for notebook and desktop users. It makes data backup easier and faster than ever.

Order Code:  
S26341-F103-L500

**SOUNDSYSTEM DS E2000 Air**

The new more powerful SOUNDSYSTEM DS E2000 Air gives you impressive, well-balanced sound throughout the frequency band. It is an unbeatable USB speaker set with a surprisingly small form factor. The robust satellite speakers are decorated with a deluxe piano finish and the base is adorned with warm ambient lighting.

Order Code:  
S26391-F7128-L600

**Wireless Keyboard Set LX900**

The Wireless Keyboard LX900 is a top of the line desktop solution for lifestyle orientated customers, who want only the best for their desk. This superb keyboard set with offers ambitious users more functions, security and better features than a conventional interface device. It even includes 2.4 GHz technology and 128 AES encryption for security.

S26381-K564-L4\*\* (\*\*:  
Country specific variation)

# More information

## Fujitsu OPTIMIZATION Services

In addition to Fujitsu ESPRIMO Q910, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

### Computing Products

[www.fujitsu.com/global/services/computing/](http://www.fujitsu.com/global/services/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about Fujitsu ESPRIMO Q910, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/fts/ESPRIMO](http://www.fujitsu.com/fts/ESPRIMO)

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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